Pressure and Stress Test

Purpose: What pressure point our product breaks, and exactly where on the product does the breakage occur.

Materials :

* Structural Stress Analyzer
* Our product
* Computer
* Flash drive
* Timer
* Video Recorder

Procedure:

1. Gather all lab materials.
2. Place the product into the structural stress analyzer machine in the lab.
3. Wait and record the whole process on a video recorder for future reference.
4. Once the product breaks, look at the computer and you should see the data results.
5. Copy results onto a flash drive.
6. Take product out of stress analyzer machine and dispose of product.
7. Repeat process two more times.
8. Clean up and place all lab materials back.

Data:

This procedure will be done a total of three times. Here is a graph that needs to be followed:

|  |  |  |  |
| --- | --- | --- | --- |
| Trial | Pressure Point Broken At | Where on the product the breakage occurred (cm) | Time it took for the breakage to occur (sec) |
| Trial 1 |  |  |  |
| Trial 2 |  |  |  |
| Trial 3 |  |  |  |